







Stalk ___Leaf

Poot ___Soil

Kernel ___Ear

- 1. The grain-bearing part at the top of the stalk of a plant such as wheat, corn, or barley.
- 2. A single grain that contains a seed and husk.
- **3.** Flat green part that grows from the stems or branches of a plant or tree. It uses the sun, water and air to make food for the plant by photosynthesis.
- 4. The part of a plant that grows underground, holds the plant in the soil and absorbs minerals and nutrients.
- 5. The top layer of the earth's surface.

 It is made of very small rock and mineral particles from erosion, organic materials, bacteria and fungi.
- **6.** The main stem of a plant that holds up the leaves, flowers or ears.

Using Earth Offeed The World

When the first Pilgrims arrived in 1620, they might have died during that first winter from starvation if they hadn't been given some **corn** to eat by the Native Indians. We've been eating it ever since!

Wheat is called the staff of life. One bushel of wheat makes about 90 one-pound loaves of whole wheat bread.



calcium fertilize

nutrients

soil

carnivore fruits

omnivore

soy

conservation

grains

protein

vegetables

Corn, hay, soybeans and wheat are some of the crops

grown in the United States. Farmers in the U.S. grow more corn than those from any other country in the world. The extra corn that we don't use is shipped to other countries to help with their food supply. We aren't the only ones eating the corn grown in the U.S.—cattle,

we aren't the only ones eating to corn grown in the U.S.—cattle, hogs and poultry eat even more corn than we do!

We are surrounded by soybeans!
In addition to being a healthy snack, soy can be found in the cars and trucks we ride in, the books we read, the clothes we wear and many



other places.

Hay you! Hay is grass or other plants that are cut, dried, stored and often used as food for animals like cows, horses and goats.

corn crop farmer
hay herbivore minerals
rancher resources roots
vitamins wheat

C	E	R	0	V	I	N	M	0	W	C	K	N	C	V
C	0	M	U	Ι	C	L	Α	C	0	P	C	В	٧	F
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Fill in the blanks in the sentences with words from the Word Bank. Next find the words in the puzzle and circle them.

Dairy,	<u>, 4, 100 mars</u>	and
proteins are food	groups in the food plate.	
Plants absorb	and other	
from the	through their	
the for ob signing	beans	

2	IND TON GO BILLION	ed seem spins mon so	beans
	and	_ are major crops gro	wn in the
	United States.		

s and	_s grow crops	
and raise livestock to provide	us with food to eat	t.

It is important to practice	habits to
protect our natural	

	Dark green vegetables	supply our bodies with
0	minerals like iron,	potassium, and
	magnesium and	K. C. E and B.

Sometimes a farmer has to	the soil to
grow a healthy	

(A	eats only plants, a	eats
only animals, a	and an	eats both plants
and animals.		

Meats,	beans	and	milk	foods	are	good
source	sof					



ay To Good Nutrition

Find the way out of the maze below by following the paths with healthy food choices. Start in the center of the maze. Draw a line through the paths from the center of the maze to the exit. For every healthy food you go through give yourself 5 points. For every unhealthy food you go through subtract 2 points.



Number of Unhealthy Food choices ____ X 2 = ___ Unhealthy Points

Your Score!

Healthy **Points**

Unhealthy Points

Total Score

choices and got a total score of 35 points. If you top our score let us know! Email: stewardship@nacdnet.org

Where Are You



In The Food Chain

Every living organism is either a producer or a consumer.

Producers make their own food. They do this by using light energy from the sun, carbon dioxide from the air and water from the soil to produce food. This process is called photosynthesis.

Write the name of a producer

(Hint: green and leafy)

Consumers cannot make their own food, so they eat plants and/or animals. There are three types of consumers. Herbivores only eat plants. Carnivores only eat animals.

Omnivores eat plants and animals.

Write the name of a consumer_

(Hint: you!)

and what type of consumer it is.



My cousin, Bryce Hasty and I
(Haley Arthur) love to ride in the
combine with our family who grows
corn, soybeans and wheat in

Hancock County in Indiana. Joe Paxton is Bryce's grandpa and my great uncle and Bill Paxton is our great papaw. Papaw Bill has been farming for over 62 years. He planted his first crop of wheat in 1948 and started helping his

dad milk cows and farm when he was only 8 years old. Joe rented his first farm when he was only 10 years old in 1963. They both love farming and now farm over 2,000 acres and custom farm another 1,000 acres. Joe was in 4-H and showed pigs and Bryce and I both showed pigs this past year in mini 4-H. Taking care of the soil and being good stewards of the land is important to them both. Being a farmer, they say is taking a lot of risk and it depends on good weather to be able to have a productive crop. Their crops provide for people all over the world and we are very proud of them.



National Association of Conservation Districts (NACD)



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Correlations to national standards, educators guide and answer key available at http://nacdnet.org/education

Booklet designed for use with grades 4-5

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Maxine

Maxine worked for NACD for 47 years.
That's why we always ask Maxine.



Can I grow food at home like farmers do?



Yes! You can plant a garden and follow the same steps that farmers do: soil preparation, planting,

nutrient and pest management, irrigation and drainage, and finally the harvest. As farmers go through the steps of crop production they are careful to take care of the soil

and water on their land by following Best Management Practices (BMP's). You also should conserve and protect the natural resources around your home as you garden.

Gardening is fun and easy!

Contact your local SWCD for tips on gardening in your community.





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